

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

37-084-31
CRAB ORCHARD QUADRANGLE
93 KENTUCKY
N3715-W8430/15
DIAGRAM NJ 16-9
WINCHESTER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

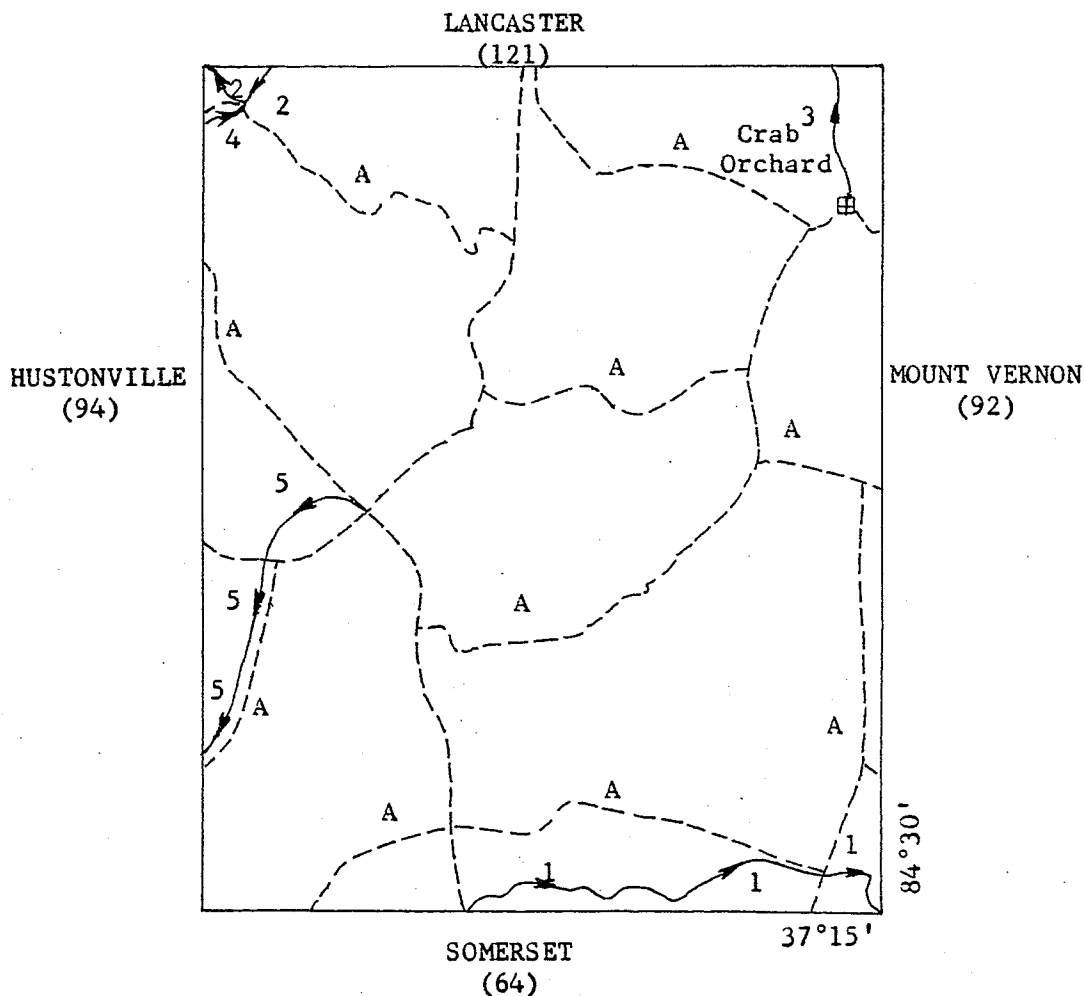
Casey, Lincoln, and
Pulaski Counties

Final adjustment of 1953

Edition of 4/8/74

PR: WSM/mid

Only the permanent marks are
listed for lines run more
than 25 years before edition
date.



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370843

93 KENTUCKY
CRAB ORCHARD QUADRANGLE

37-084-31
N3715-W8430/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

TT STA NO 36 T 1928	3
TT STA NO 37 T 1928	3
TT STA NO 38 T 1928	3
TT STA NO 50 T 1928	3
9 ADP 1950 935	3, 4
1 WR 1950 979	4
TT 11 AS 1950 1330	5
176 JEM 1951 1322	5
177 JEM 1951 1235	5
178 JEM 1951 1183	5

(NGS)

B152	4
L 47 1935	4

ISOLATED BENCH MARKS (By C. E. Walker, 1928; Book B2998)

Feet

Floyd, 4.7 mi W. and N. of; 34 ft N. and 14 ft W. of NE. corner of Polly Ann School; in concrete post; standard tablet stamped TT STA NO 50 T 1928"

1149.226

LINE 1.

By C. E. Walker, 1929; Book B3261

Floyd, 1.2 mi E. and N. of; 2.6 mi W. of Estesburg; in SE. angle of Standford-Somerset-Estesburg Crossroads old rd. NW. 125 ft; on property owned by G. M. Todd; in concrete post; standard tablet stamped "TT STA NO 36 T 1928" (Reported not found 1961)

1099.712

Reference mark; 150 ft E. of crossroads; on G.M. Todd's land; 15 ft S. of rd.; in root on W. side of 8-in oak tree; copper nail and washer

1102.19

Estesburg School; NW. corner of front yard; 2 ft E. and 13 ft S. of corner fence post; 30 ft S. of center of rd.; in concrete post; standard tablet stamped "TT STA NO 37 T 1928"

1127.808

Reference mark; front of school, on N. side of rd., in fence corner; in root on N. side of 10-in. locust tree; copper nail and washer

1128.83

Woodstock, 1.9 mi E. of Estesburg School; 3.1 mi E. of Todd Post Office; 0.3 mi W. of; 3 ft N. and 34 ft E. of crossroads; in cultivated field; in concrete post; standard tablet stamped "TT STA NO 38 T 1928"

1092.214

U. E., Pence School, 50 ft N. of; about 150 ft E. of T-rd. N., in root on W. side of 24-in black oak tree; copper nail and washer

1020.80

U. E., Woodstock, 60 ft SE. of crossroads at, in root on N. side of 6-in cedar tree; copper nail and washer

1076.03

LINE 2.

By A. D. Pretzer, 1950; Book AV150

1 64 4.70 U. E., 14 ft W. of State Highway 78; on concrete headwall; chiseled square

1023.10

1 65 5.20 U. E., 14 ft E. of centerline of State Highway 78; on concrete headwall of culvert; chiseled square

987.51

1 66 5.68 Stanford, 5.7 mi SW. of; along State Highway 78; 53 ft N. and 50 ft E. of junction of State Hwys. 78 and 198; 30 ft N. of fence corner; 1 ft W. of fence; in concrete post; standard tablet stamped "9 ADP 1950 935"

935.308

LINE 2 (Cont'd)Feet

1	67	5.68	Reference mark, 80 ft N. of tablet; 10 ft W. of rd. spike; in fence post	894.72
1	67	6.31	U. E., on E. end of N. abutment of bridge over stream; chiseled square	917.16

LINE 3.

By R. N. Runnels, 1950; Book AV 152

1	2	0.00	"L 47 1935"(NGS)	900.42
1	3	1.04	U. E., Craborchard, on first concrete walk step leading to schoolhouse; chiseled square	952.58
1	5	1.97	Craborchard, 1.1 mi N. of, along State Hwy. 39; 80 ft S. and 140 ft W. of SW. corner of Ray Price's farmhouse; 10 ft S. and 27 ft E. of intersection of highway and private drive to farmhouse; 2 ft S. and 2 ft E. of fence corner post; in concrete post; standard tablet stamped "1 WR 1950 979"	979.273
1	6	1.97	Reference mark, 56 ft NW. of tablet; in root on S. side of 24-in maple tree; copper nail and washer	979.97
1	7	2.86	U. E., at concrete bridge over Dix RRiver; on E. end of S. concrete abutment; chiseled square	864.58
1	8	3.21	U. E., on E. end of concrete culvert headwall; chiseled square	866.83

LINE 4.

By R. E. Carey, 1950; Book AV 154

3	11	5.05	U. E., Turnersville, 0.5 mi W. of; 42 ft S. of State Highway 78; at NE.-SW. crossroads; on SW. corner of concrete cattle guard; chiseled square	991.59
3	13	5.46	"9 ADP 1950 935" (Described in line 2)	935.308

LINE 5.

By J. E. McClane, 1951; Boos AV 224

15	2	0.00	"B 152" (NGS)	1170.129
15	3	1.63	U. E., on NE. base of gas pump; chiseled square	1325.70

LINE 5 (Cont'd)Feet

15	5	2.75	Kings Mountain, 2.7 mi W., SW. of, along graveled rd.; 180 ft S. of, and 1 ft higher than rd. fork at Duncan; 20 ft W. of center of rd.; in concrete post; standard tablet stamped "176 JEM 1951 1322"	1321.480
15	5	2.75	Reference mark, 210 ft S. of tablet; on NE. corner of concrete gas pump base; chiseled square	1318.04
15	6	2.98	Duncan (Duncan Baptist Church), 0.3 mi S. of; 38 ft N. and 14 ft E. of center of triangle at T-rd. intersection; 67 ft NW. of 30-in. oak tree at intersection of fence lines; 28 ft E. of centerline of N.-S. hwy.; in concrete post; standard tablet stamped "TT 11 AS 1950 1330" (Not Found 2/61)	1329.559
15	10	5.14	Kings Mountain, 3.0 mi W., thence 2.1 mi SW. along graveled rds.; 20 ft E. of, and 3 ft higher and in centerline with T-rd. W.; in concrete post; standard tablet stamped "177 JEM 1951 1235"	1255.352
15	11	5.81	U. E., on SW. corner of concrete porch at Floyd's grocery; chiseled square	1245.26
15	14	7.92	Kings Mountain, 3.0 mi W., thence 4.9 mi SW. along graveled rds.; 14 ft W. of, and level with centerline of rd. at drain crossing; 800 ft S. of Peterson's store; in N. end of small concrete culvert headwall; standard tablet stamped "178 JEM 1951 1183"	1183.495

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

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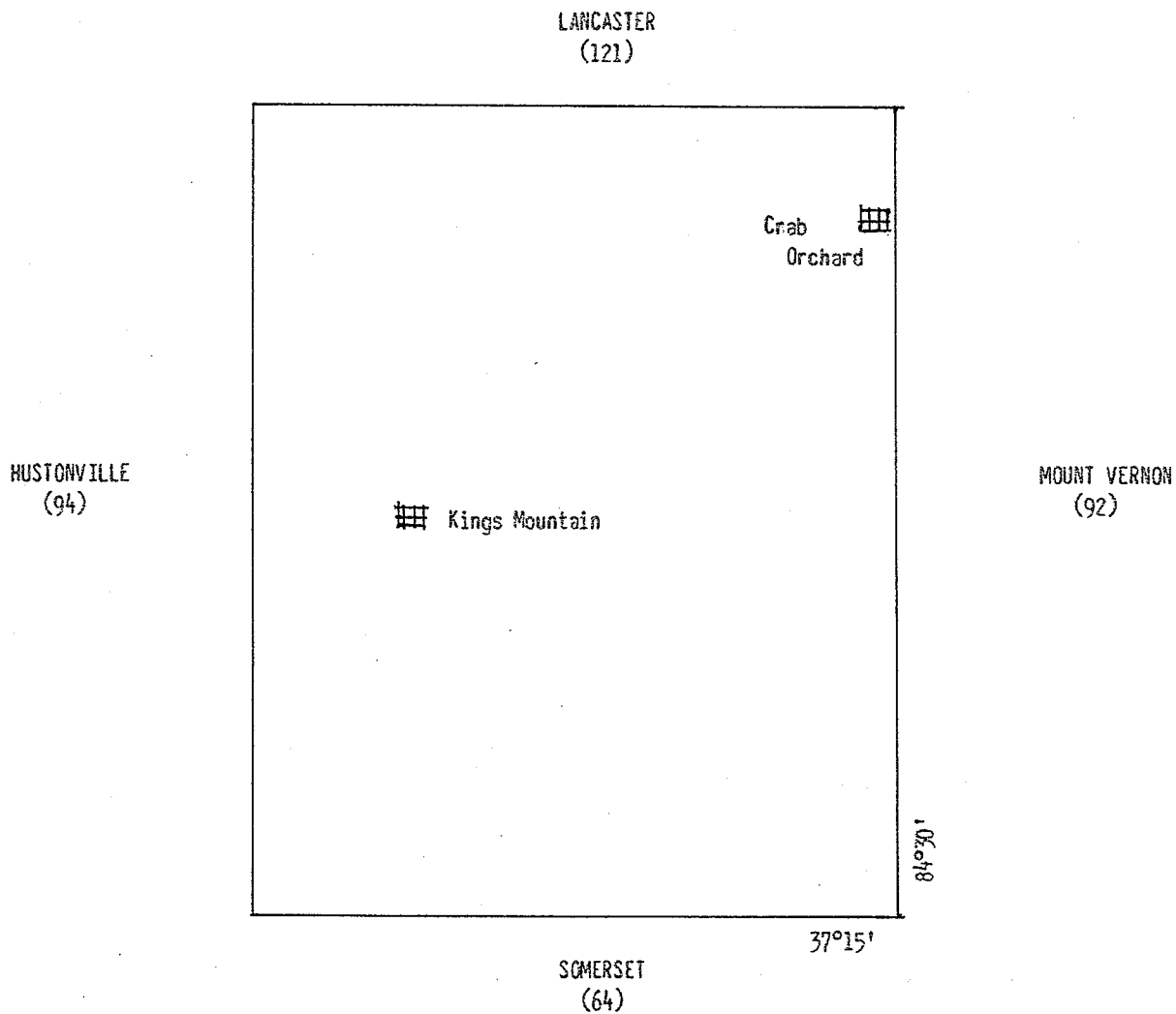
Casey, Lincoln, and Pulaski Counties

Edition of 6/30/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
TT STA NO 36 T 1928	3
TT STA NO 37 T 1928	3
TT STA NO 38 T 1928	3
TT STA NO 50 T 1928	3
9 ADP 1950 935	3
TT 8 AS 1950	3
TT 9 AS 1950	3
TT 10 AS 1950	4
TT 11 AS 1950	4
1 WR 1950 979	4
TT 1 DWP 1951	4
177 JEM 1951 1235 TT	6
178 JEM 1951 1183 TT	6
RESET 1953 (TT 2 DWP 1951)	4

NGS

K 47 1935	4
Z 176 1950	5
A 177 1950	5
B 177 1950	5
C 177 1950	5
D 177 1950	5
E 177 1950	5
F 177 1950	6
G 177 1950	7
H 177 1950	6
N 177 1950	6
P 177 1950	6

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By C. A. Turner, 1928; Book C8080-81

Floyd, 1.2 mi E. and N. of; 2.6 mi W. of Estesburg; in SE. angle of Stanford-Somerset-Estesburg crossroads; (old rd. bears NW. 125 ft); on property owned by G. M. Todd; in concrete post; standard tablet stamped "TT STA NO 36 T 1928" (Not found, 1961)

X = 2,324,899	Y = 337,958	37 15 22.74	84 38 01.10
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Estesburg School; in NW. corner of frontyard; 2 ft E. and 13 ft S. of corner fencepost; 30 ft S. of centerline of rd.; in top of concrete post; standard tablet stamped "TT STA NO 37 T 1928"

X = 2,336,497	Y = 338,457	37 15 26.30	84 35 37.58
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Woodstock, 1.9 mi E. of Estesburg School; 3.1 mi E. of Todd Post Office; 0.3 mi W. of; 3 ft N. and 34 ft E. of crossroads; in cultivated field; in concrete post; standard tablet stamped "TT STA NO 38 T 1928"

X = 2,348,484	Y = 340,632	37 15 46.33	84 33 08.98
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Floyd, 4.7 mi W. and N. of; in frontyard of Polly Ann School; 34 ft N. and 14 ft W. of NE. corner of schoolhouse; in concrete post; standard tablet stamped "TT STA NO 50 T 1928"

X = 2,306,029	Y = 339,652	37 15 41.63	84 41 54.27
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By A. Salloom, 1950; Book AH 182

Stanford, 5.7 mi SW. of, along State Highway 78; 53 ft N. and 50 ft E. of junction of State Highways 198 and 78; 30 ft N. of fence corner; 1 ft W. of fence; in concrete post; standard tablet stamped "9 ADP 1950 935" (Not found, 1961)

X = 2,293,197	Y = 422,620	37 29 23.32	84 44 22.01
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McKinney Baptist Church, 0.2 mi S. of, to Southern Railroad, thence 1.5 mi SW. along RR. to rd. crossing; 36 ft S. and 35 ft W. of intersection of centerline of rd. with centerline of RR.; 26 ft E. of E. track; in concrete post; standard tablet stamped "TT 8 AS 1950"

X = 2,291,727	Y = 401,747	37 25 57.11	84 44 43.01
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Arabia, 0.1 mi S. of South Fork Baptist Church, to I-rd. SW., thence 0.1 mi SW. to schoolhouse; 112 ft NE. of NW. corner of schoolhouse; 110 ft NE. of NE. corner of schoolhouse; 28 ft S. and 18 ft E. of rd. intersection; 46 ft SE. of SE. corner of fence; 78 ft NE. of oak tree; in concrete post; standard tablet stamped "TT 9 AS 1950"

X = 2,292,876	Y = 392,667	37 24 27.21	84 44 29.96
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Arabia, 0.1 mi S. of South Fork Baptist Church, to T-rd. SW., thence 2.7 mi SW. to unpainted frame house; belonging to John Carilton, on W. side of rd.; 100 ft SE. of SE. corner of house; 116 ft SE. of NE. corner of house; 14 ft W. of centerline of rd.; in NE. corner of plowed field (about 50 - by 200-ft); 43 ft E. of 18-in. cedar tree; in concrete post; standard tablet stamped "TT 10 AS 1950" (Not found, 1951)

X = 2,294,791 Y = 383,536 37 22 56.73 84 44 07.44

Duncan, 0.3 mi S. of Baptist Church, to T-rd. E.; 38 ft N. and 14 ft E. of center of triangle at junction of T-rd.; 67 ft NW. of 30-in. oak tree at intersection of fence lines; 28 ft E. of centerline of N.-S. hwy.; in concrete post; standard tablet stamped "TT 11 AS 1950" (Not found, 1961)

X = 2,297,312 Y = 374,812 37 21 30.21 84 43 37.38

By D. W. Pinkston, 1951; Book AH 214

Crab Orchard, about 1.1 mi N. of, along State Highway 39; 80 ft S. and 140 ft W. of SW. corner of residence of Ray Price; 10 ft S. and 27 ft E. of intersection of hwy. and private drive to farmhouse; 2 ft S. and 2 ft E. of corner fencepost; in concrete post; standard tablet stamped "1 WR 1950 979"

X = 2,358,501 Y = 418,696 37 28 36.85 84 30 52.44

Crab Orchard, about 72 ft W. of Louisville and Nashville Railroad station; at SE. corner of station lawn; 29 ft N. of N. rail; 5 ft NW. of SE. fence corner; S. of, and in line with two trees at E. end of lawn; about level with track; in concrete post; MGS standard disk stamped "K 47 1935"

X = 2,358,394 Y = 411,796 37 27 28.64 84 30 54.89

Crab Orchard, 0.8 mi SE. of, along U. S. Highway 150, thence 1.9 mi S. along Crab Orchard-Somerset Pike; 3.2 mi N. of Holdman Mill School; 35 ft N. of centerline of rd. at junction of Y-rd.; 50 ft S. and 12 ft W. of small red house; 10 ft N. of 14-in. white oak tree; 17 ft NW. of, and 2 ft higher than centerline of rd.; in concrete post; standard tablet stamped "TT 1 DWP 1951"

X = 2,362,064 Y = 400,871 37 25 40.16 84 30 11.16

Crab Orchard, 0.8 mi SE. of, along U. S. Highway 150, thence 3.6 mi S. along Crab Orchard-Somerset Pike; 1.0 mi N. of Holdman Mill School; about 400 ft N. of residence of Andrew Alzman; 41 ft S. and 46 ft W. of centerline of T-rd. W.; about 20 ft NW. of R.E.A. pole; in concrete post; standard tablet stamped "RESET 1953" (Replaces TT 2 DWP 1951)

X = 2,360,934 Y = 392,727 37 24 19.79 84 30 26.50

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd)

Broughttentown, about 0.2 mi N. of school, along graveled rd., thence about 1.9 mi E. along graveled rd.; at junction of N.-S. graveled rd.; 173 ft S. of SW. corner of church; 68 ft W. of centerline of junction; 62 ft NW. of centerline of rd. to Broughttentown; 1.5 ft NE. of SE. corner of cemetery; 52 ft NW. of NW. end of 18-in. pipe culvert; about 4 ft higher than rd.; in concrete post projecting 3 in.; NGS standard disk stamped "Z 176 1950"

X = 2,360,322

Y = 384,247

37 22 56.03

84 30 35.46

Broughttentown, about 0.2 mi N. of school, along graveled rd., thence 1.9 mi E. along graveled rd., thence 0.55 mi S. along graveled rd.; at junction of rd. E.; 132 ft SE. of centerline of junction; 126 ft S. of centerline of rd. E.; 86 ft S. of SW. corner of Beckam-Simpson Store; 43 ft E. of centerline of N.-S. rd.; 25 ft SW. of SW. corner of house; 9 ft SW. of well; 2 ft N. of garden fence; 2 ft higher than rd.; in concrete post projecting 5 in.; NGS standard disk stamped "A 177 1950"

X = 2,362,591

Y = 382,126

37 22 34.76

84 30 07.70

Bandy, 4.95 mi N. of crossroads, along graveled rd.; about 0.2 mi N. of crossroads; about 0.85 mi S. of junction of rd. E. at Beckam-Simpson's Store; 123 ft S. of junction of driveway W. to farmhouse; 10 ft E. of, and about 1 ft lower than centerline of rd.; in top of E. end of S. abutment of 10-ft concrete bridge; NGS standard disk stamped "B 177 1950"

X = 2,362,878

Y = 378,065

37 21 54.58

84 30 04.81

Bandy, about 3.95 mi N. of crossroads, along graveled rd.; about 0.1 mi N. of Flatwood School; 230 ft S. of centerline of rd. at junction of rd. SW.; at residence of W. W. Brown; 107 ft E. of NE. corner of house; 39 ft W. of centerline of rd.; 19 ft W. of fence corner; 10 ft N. of centerline of driveway; 2 ft S. of fenceline; 2 ft higher than rd.; in concrete post; NGS standard disk stamped "C 177 1950"

X = 2,361,926

Y = 372,783

37 21 02.48

84 30 17.46

Bandy, about 2.95 mi N. of crossroads, along graveled rd.; about 0.55 mi N. of Lincoln-Pulaski County line; about 0.9 mi S. of Flatwood School; at residence of Delman Hamm; 157 ft N. of NW. corner of barn; 41 ft SE. of SE. corner of house; 40 ft W. of centerline of rd.; 20 ft W. of 24-in. red cedar tree; about 2 ft lower than rd.; in concrete post projecting 5 in.; NGS standard disk stamped "D 177 1950"

X = 2,362,064

Y = 367,529

37 20 10.52

84 30 16.61

Bandy, about 2.0 mi N. of crossroads, along graveled rd.; about 0.45 mi S. of Lincoln-Pulaski County Line; about 0.25 mi N. of junction of rd. E.; about 0.15 mi S. of junction of rd. W.; 14 ft W. of, and 1 ft lower than centerline of hwy.; in top of N. end of W. headwall of 6-ft concrete culvert; NGS standard disk stamped "E 177 1950"

X = 2,363,405

Y = 362,679

37 19 22.39

84 30 00.80

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Bandy, about 1.05 mi N. of crossroads, along graveled rd.; about 0.35 mi N. of junction of rd. SW. at 25-ft concrete bridge; at two-story white frame house; 157 ft S. of centerline of rd. at junction of dim rd. W.; 58 ft NE. of NE. corner of house; 39 ft W. of, and 3 ft higher than centerline of rd.; 21 ft N. of fence corner; 2 ft E. of fenceline; in concrete post projecting 4 in.; NGS standard disk stamped "F 177 1950"

X = 2,362,882	Y = 357,496	37 18 31.22	84 30 08.21
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Woodstock, about 1.55 mi N. of crossroads, along State Highway 39; about 0.75 mi S. of crossroads at Bandy; at junction of rd. E.; 36 ft W. of centerline of hwy.; 18 ft S. of prolonged centerline of rd. E.; 24 ft W. of S. end of 12-in. pipe culvert under farm drive W.; 55 ft NNW. of N. end of W. headwall of 14-in. pipe culvert under hwy.; 1 ft E. of fenceline; about level with hwy.; in concrete post projecting 4 in.; NGS standard disk stamped "W 177 1950"

X = 2,361,296	Y = 348,112	37 16 58.65	84 30 29.28
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Woodstock, about 0.9 mi N. of crossroads, along State Highway 39; about 0.1 mi N. of junction of rd. W.; about 0.15 mi S. of crossroads; 226 ft S. of SW. corner of old store building; 16 ft E. of, and 4 ft lower than centerline of hwy.; in top of S. end of E. headwall of 4-ft concrete box culvert; NGS standard disk stamped "N 177 1950"

X = 2,360,231	Y = 344,652	37 16 24.58	84 30 43.01
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Woodstock; 236 ft N. of centerline of crossroads; 151 ft SW. of, and across State Highway 39 from SW. corner of Wilburns Store; 42 ft W. of centerline of rd. at junction of rd. E.; 36 ft W. of centerline of hwy.; 34 ft SW. of W. end of 16-in. pipe culvert under hwy.; 2 ft E. of fenceline; about level with hwy.; in concrete post projecting 3 in.; NGS standard disk stamped "P 177 1950"

X = 2,358,863	Y = 340,227	37 15 41.00	84 31 00.66
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Kings Mountain, 3.0 mi W. of, thence 2.1 mi SW. along graveled rds.; 20 ft E. of, and 3 ft higher than, and in centerline with I-rd. W.; in concrete post; standard tablet stamped "177 JEM 1951 1235 IT"

X = 2,296,598	Y = 364,812	37 19 51.42	84 43 47.56
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Kings Mountain, 3.0 mi W. of, thence 4.9 mi SW. along graveled rds.; 14 ft W. of, and level with centerline of rd.; at drain crossing; about 800 ft S. of Petersen's Store; in N. end of small concrete culvert headwall; standard tablet stamped "178 JEM 1951 1183 IT"

X = 2,292,265	Y = 351,427	37 17 39.54	84 44 42.97
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93 KENTUCKY
CRAB ORCHARD QUADRANGLE

37-084-31

7

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

By M. L. Bennett (TVA), 1951; Book MS 30346

Bandy; 197 ft NE. of junction of crossroads; 167 ft N. of centerline of rd. E.; 39 ft E. of, and 2 ft higher than centerline of State Highway 39; 30 ft ENE. of E. end of 18-in. pipe culvert under hwy.; 25 ft NW. of NW. corner of house; 6 ft N. of fence corner; 1 ft W. of fenceline; in concrete post; NGS standard disk stamped "G 177 1950"

X = 2,362,542

Y = 352,063

37 17 37.55

84 30 13.22